

1985

# Doctor of Arts in Information Science Interim Catalog

Nova Southeastern University

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# **Doctor of Arts in Information Science Interim Catalog**

***Computer-Based Program  
for Information Professionals***

# Doctor of Arts in Information Science

Center for Computer-Based Learning  
Interim Catalog

*Nova University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award bachelor's, master's, educational specialist, and doctoral degrees. Nova University admits students of any race, color, and national or ethnic origin.*

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# **Doctor of Arts in Information Science**

## **Computer-Based Program for Information Science Professionals**

### **The Doctor of Arts Program**

Nova University provides programs to practitioners working in information fields, such as libraries, media centers, and information retrieval centers. The programs capitalize on a computer-based delivery system to combine formal instruction, independent study, and applied research into any integrated program of study, designed to be completed in approximately three years.

### **Philosophy and Mission**

The Doctor of Arts program embodies a commitment to provide doctoral education of high quality. This commitment stems from the goal to foster more rational decision making in library and information centers by improving the skills of those who are currently involved with the planning, management, and delivery of such centers. Thus, the program is designed exclusively for students who are employed.

Having established this mission, the field-based delivery system was developed as the most appropriate means for offering the program. The

most salient aspect of the field-based approach is that there is no on-campus residency requirement--it does not force the removal of students from the very positions and responsibilities for which they are seeking advanced preparation. On the contrary, the field-based approach allows for the integration of study and practice. Program students, who are steeped in the day-to-day problems, issues, and conditions of education, use their knowledge and experience to examine critically the "real world" efficacy of theory and practice presented through formal instruction and learned through independent study. And because of their status as students, they have the opportunity (and are required) to submit to the test of reality newly acquired knowledge and competencies through direct application within their own institutions.

The significance of this structured intermingling of study and practice is summed up in the following point: in most traditional doctoral programs, the ability to perform as an outstanding practitioner is assumed to be a consequence of earning the degree. In field-based and computer-based programs at Nova University, it is a condition for earning the degree.

organizations. These projects are reviewed, corrected, and stored online. The Writer's Workbench (WWB) is available in the UNIX environment. The WWB facilitates speed and accurate processing of student projects.

Practicums are stored online and can be accessed through a menu system. Each practicum can be read and online comments can be added by the reader to be shared with the author. If the author is online at the time of access, the reader is notified of this and can "talk" directly with the author about the practicum.

**EXAMINATIONS** Examinations are scheduled throughout the program. Final examinations are required for each core course and a comprehensive examination is given at the end of the third year.

## Admission Requirements

Since the program is designed for professionals in library, media, and information science fields, the following requirements must be satisfied by each applicant:

1. A master's degree in library, information science, in or a related field from a regionally accredited university
2. Current employment in a library or related facility
3. A minimum of two years of professional experience
4. A G.R.E. score or completion of a portfolio with appropriate work experience and credentials
5. Three letters of recommendation
6. An application form and transcripts of all graduate college and university credit received

The Information Science staff will make all decisions concerning admissions.

## Fees and Tuition Policy

The application must be accompanied by a \$30 check made payable to Nova University. This is a one-time, nonrefundable fee. The tuition for each year is \$4500. Students who must continue beyond three years to complete the degree do so in Continuing Services at the much reduced tuition rate of \$900 per six-month term.

## Tuition Payment Plan

Tuition may be paid in a single payment of \$4500, two semiannual payments of \$2250, or four quarterly payments of \$1125. There is a \$60 yearly registration fee.

### First Installment

\$1125.50	(1/4 tuition)
30.00	(registration fee)
<hr/>	
\$1155.00	

### Second Installment

\$1125.00	(1/4 tuition)
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### Third Installment

\$1125.00	(1/4 tuition)
30.00	(registration fee)
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\$1155.00	

### Fourth Installment

\$1125.00	(1/4 tuition)
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Included in the tuition are study guides, case analysis documents, computer conferences, computer connect charges on the VAX for 40 hours (60 hours for first course), and cluster seminars (but does not include toll charges to access Tymnet).

To qualify and remain eligible for financial aid, a student must be accepted for admission into a University program; eligible for continued enrollment; a United States citizen, or in the U.S. for other than a temporary purpose; and making satisfactory academic progress toward a stated educational objective in accordance with the University's policy on satisfactory progress for financial aid recipients.

For information on sources of aid and for application forms, please contact: Nova University, Office of Student Financial Planning and Resources, 3301 College Avenue, Parker Building, Room 312, Ft. Lauderdale, FL 33314 305-475-7410.

## **VA Benefits**

Nova University's academic programs are approved by the State of Florida, Department of Education, State Approving Agency for Veterans Training, for veterans educational benefits. The VA representative will assist veterans in applying for benefits. A VA student must attain and maintain satisfactory progress as determined by the program director each evaluation period (i.e., six-month term). He/she must meet any skill or technical requirements of his/her particular program. A VA student who, at the end of any evaluation period, has not attained and maintained satisfactory progress will be placed on academic probation for the next evaluation period. Should the student not attain and maintain satisfactory progress by the end of the probationary period (one 6-month term), his or her VA educational benefits will be terminated for unsatisfactory progress.

A student whose VA educational benefits have been terminated for unsatisfactory progress may petition the school to be recertified after one 6-month term has elapsed. The school may recertify the student for VA educational

benefits only if there is a reasonable likelihood that the student will be able to attain and maintain satisfactory progress for the remainder of the program.

## **Certification**

State certification, promotion, and pay increases for students enrolled in CBL programs are local decisions that are made by agencies not connected with Nova University. Therefore, it is the individual responsibility of current and prospective students to check with the appropriate agencies to insure that the program selected will meet their specific needs.

## **Student Conduct and Rights**

Students are expected to comply with the legal and ethical standards of Nova University. Academic dishonesty and nonacademic misconduct are subject to disciplinary action. Specific instances of misconduct include, but are not limited to, cheating, plagiarism, knowingly furnishing false information to the University, and forging or altering University documents or academic credentials.

Students who feel their rights have been denied are entitled to due process.

## **Grading System**

Instructional personnel in the Doctor of Arts Program assign grades of PASS, NO PASS, and INCOMPLETE for courses and PASS, NO PASS, and UNACCEPTABLE for practicums. Course grades are assigned by the national lecturers responsible and practicum grades are assigned by practicum evaluators.



## Graduation Requirements

To be eligible for graduation a student must fulfill the following requirements:

1. Attend the 10 cluster seminars and pass the five core courses (3 credit hours each--total of 15 credit hours)
2. Complete five online Modules-of-Expertise (MOE) (3 credit hours each--total of 15 credit hours)
3. Attend the two extended weekend institutes on Nova's main campus and pass the two specialty courses (3 credit hours each--total of 6 credit hours)
4. Pass two practicums (6 credit hours each--total of 12 credit hours)
5. Successfully complete the Major Field Project Proposal (MFPP) (6 credit hours) and the final MFP (12 credit hours)
6. Receive a passing grade on a comprehensive examination
7. Be current in all tuition and fees
8. Complete the application for graduation form with all required signatures.

Total credit for the entire program is 66 semester hours.

All requirements must be completed within seven years of the student's start date. The University recognizes that individual programs require differing time limits for the completion of academic studies leading to a degree. Therefore, the time frame is a matter within the discretion of each academic program.

Consideration will be given to granting up to six credit hours in postmaster's work completed within the past ten years for the same or equivalent coursework. No credit for life experience or other forms of advanced standing will be granted.

## Withdrawal

Students who wish to withdraw from the program--either temporarily or permanently--must inform the Admissions Office in writing to be eligible for allowable refunds. Students who give written notice of their intent to withdraw prior to a seminar will not be assessed for that or subsequent courses until they are formally readmitted. Students who withdraw and reenter are assessed a readmission fee of \$10 and are subject to the prevailing tuition rate.

Since some seminars are offered only once at a particular site, students are advised that failure to attend a seminar when it is offered in their region may lead to logistical difficulties when they attempt to make up the missed seminar at a later date. For this reason, students are urged to maintain continuous enrollment.

## Readmission

Individuals in a withdrawal status who wish to be readmitted, must complete a readmission form and be approved for readmission by the Admissions Committee of the Doctor of Arts Programs.

## Course Descriptions

Several modes of delivery are provided in the courses: cluster seminars, extended weekend (Fri./Sat./Sun.) institutes, computer conferences, computer-assisted instruction on a supermini computer, interactive online, real-time computer discussions with faculty members (ECR), electronic mail conversations, and assignments delivered electronically. Final



**DTL 8400 Human Factors in Software Design (3 credit hrs)**

- An introduction to the human interface in MIS projects.

**IS 8410 Design of Human Interfaces in Information Sciences (MOE) (3 credit hrs.)**

- In this course, the DAIS student will optimize his or her ability to implement successfully an information system within the work environment through studying such topics as the human/computer interface, ergonomics, time constraints and task-oriented behaviors in a learning setting, and economic and political variables that impact acceptance of new technologies.

**IS 8500 Database Management Systems, Text Processing, and Information Retrieval (3 credits hrs.)**

- An introduction to database management systems, data communications, and networks.

**IS 8510 Relational Databases in Information Sciences (MOE) (3 credit hrs.)**

- Database concepts, database management, and database administration are presented to help the student develop his or her expertise in database planning and implementation.

**IS 8700 Systems Analysis, Expert Systems and Artificial Intelligence (3 credit hrs.)**

- The principles of systems analysis and design are presented in a context of artificial intelligence applications. An approach to the design of systems is highlighted using examples of expert systems.

**IS 8710 Artificial Intelligence and Expert Systems in Information Sciences (MOE) (3 credit hrs.)**

- Concepts, principles, and applications of artificial intelligence and expert systems that are operational within the framework of libraries and informational centers are covered.

## Program Curriculum

The program curriculum consists of five levels :

1. In the core course (the program consists of 5 core courses : Research & Statistics, Database Management, AI and Expert Systems, Strategic Management, and Human Factors), the student learns the principles corresponding to the subject taught.
2. In the module-of-expertise (MOE), the student applies what he or she learned in the course to solve a problem or design a project for his or her organization.
3. After the MOE has been approved, the student may elect to use his or her MOE as the basis for his or her practicum. In the practicum proposal, the student will compare his or her solution to the solution taken by others to solve similar problems. For that purpose, the student will be required to do the necessary literature search.
4. After the practicum proposal has been approved, the student may elect to publish his or her work in a professional journal. In this case, the student will be asked to acquire (and submit to the Center for Computer-Based Learning) the format required for such a publication. The article does not necessarily have to be published to be accepted as a practicum.
5. The student should reserve his or her most important project for the Major Field Project. The Major Field Project should have the quality and the magnitude of a doctoral thesis.

## Cluster Seminars

Students are required to attend four cluster seminars during the first year of the program, four cluster seminars during the second year, and two seminars during the first six month of the third year. Seminars begin Friday evening and adjourn Saturday evening. A computer conference is held prior to all seminars. The emphasis in the seminars is on the key issues in information science. Leadership and the change process are primary areas of concentration throughout the ten sessions. Seminars are designed to reinforce the online courses and explore new horizons.

Currently there are five clusters in the country where seminars are held: Ft. Lauderdale, FL, Jacksonville, FL, Los Angeles, CA, St. Louis, MO, and Wilmington, DE.

Below is a sample of the topics covered in the cluster seminars.

- The Role of Computers in the Information Field
- Computer Applications in Research
- Fundamentals of Database Management Systems
- Advanced Relational Databases and Management Information Systems
- Advances in Computer Simulation and Games for Training and Education
- Man-Machine Systems, Human Processes, Environmental Factors, and Instrumentation of Man-Machine Interaction
- Political and Social Issues of Information Management

## NATIONAL LECTURERS

### DATABASE MANAGEMENT SYSTEMS

Dennis Murphy, Ph.D.  
Nova University  
Fort Lauderdale, Florida

### HUMAN FACTORS

Al Mizell, Ed.D.  
Nova University  
Fort Lauderdale, Florida

### STRATEGIC MANAGEMENT

John Scigliano, Ed.D.  
Nova University  
Fort Lauderdale, Florida

### TELECOMMUNICATION, NETWORKING, AND COMPUTER APPLICATIONS

Marlyn Kemper, D.A.  
Nova University  
Fort Lauderdale, Florida

### EMERGING TECHNOLOGIES

Marlyn Kemper, D.A.  
Nova University  
Fort Lauderdale, Florida

### RESEARCH AND STATISTICS

Thomas MacFarland, Ed.D.  
Nova University  
Fort Lauderdale, Florida

### SYSTEMS ANALYSIS, EXPERT SYSTEMS AND ARTIFICIAL INTELLIGENCE

Jacques Levin, Ph.D.  
Nova University  
Fort Lauderdale, Florida

## FURTHER INFORMATION

Those who are interested in receiving further information on the program described in this catalog may do so by contacting the CBL Admissions Office, Nova University, 3301 College Avenue, Fort Lauderdale, Florida 33314-(305) 475-7047.

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